

FIG. 1  
(PRIOR ART)

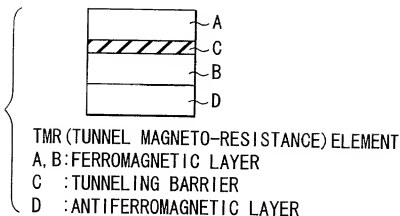


FIG. 2  
(PRIOR ART)

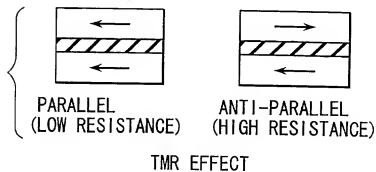
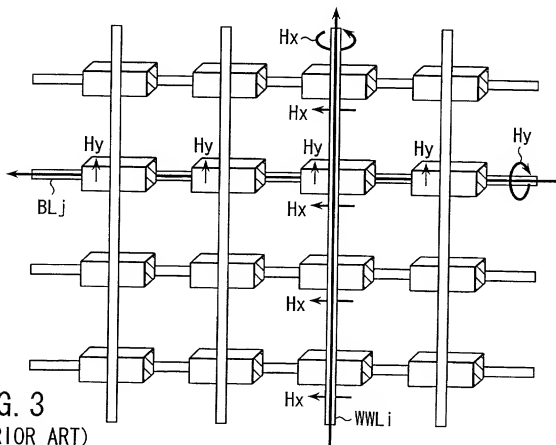


FIG. 3  
(PRIOR ART)



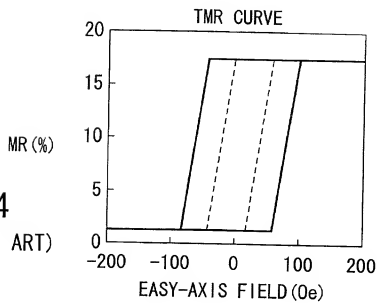


FIG. 4  
(PRIOR ART)

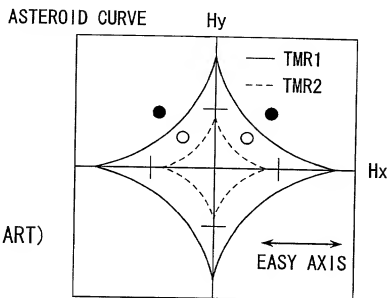


FIG. 5  
(PRIOR ART)

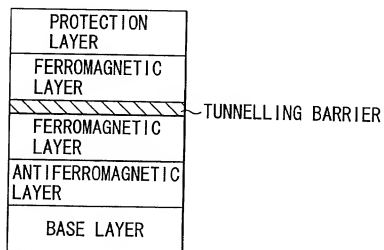


FIG. 6

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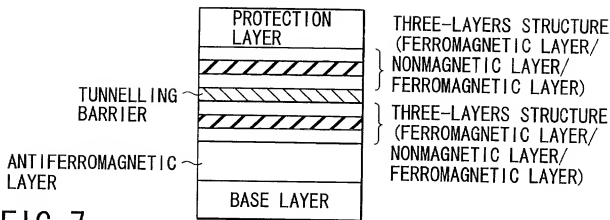


FIG. 7

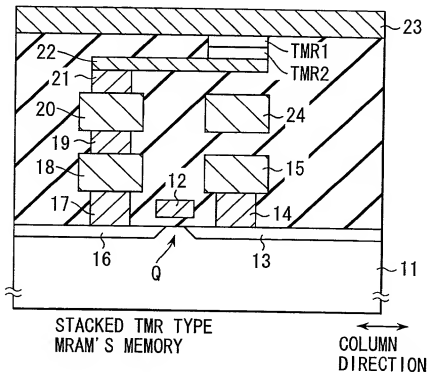
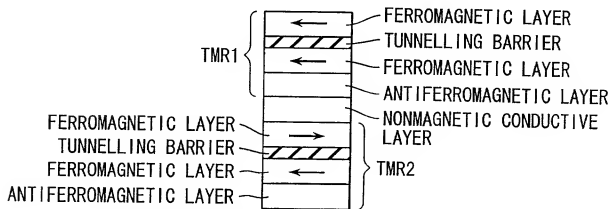


FIG. 8



STACKED TMR STRUCTURE (2 SETS TYPE)

FIG. 9

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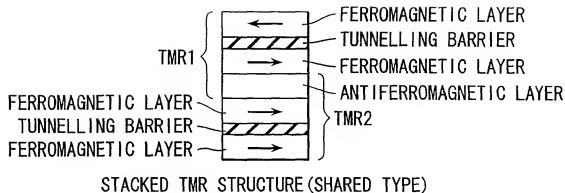


FIG. 10

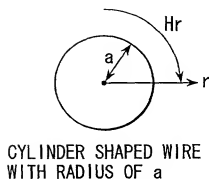
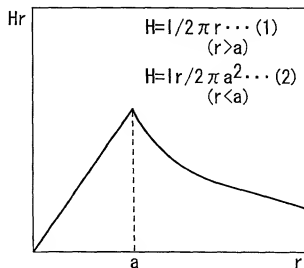


FIG. 11A



RELATIONSHIP BETWEEN DISTANCE  $r$  FROM CENTER OF WIRE AND MAGNETIC FIELD INTENSITY

FIG. 11B

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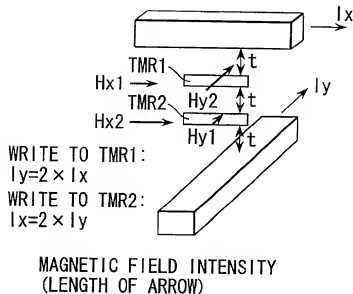


FIG. 12

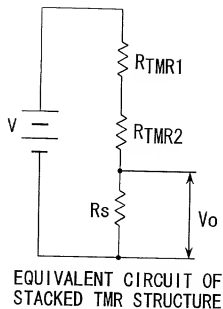


FIG. 14

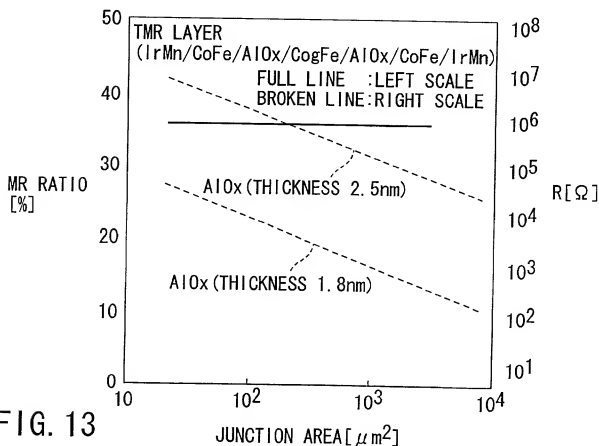
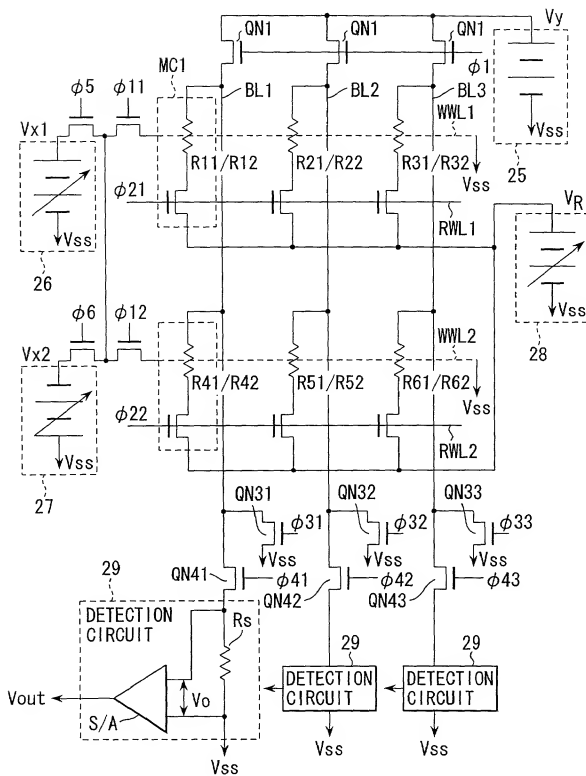


FIG. 13

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Ri1: RESISTANCE OF TMR1  
Ri2: RESISTANCE OF TMR2  
i=1, 2...6

FIG. 15

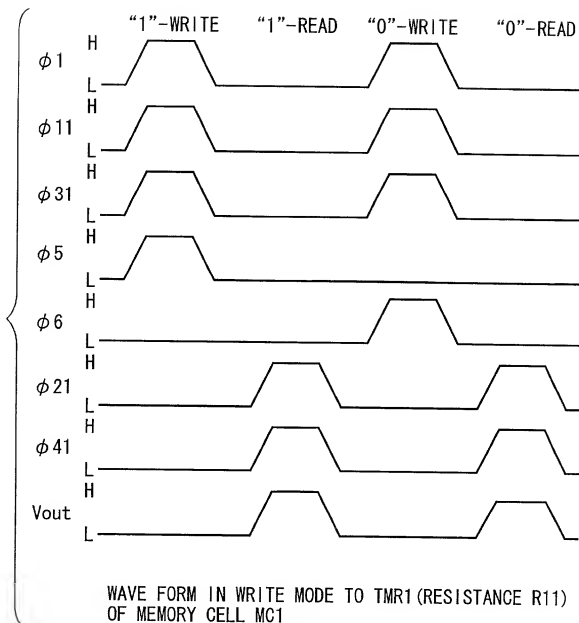


FIG. 16

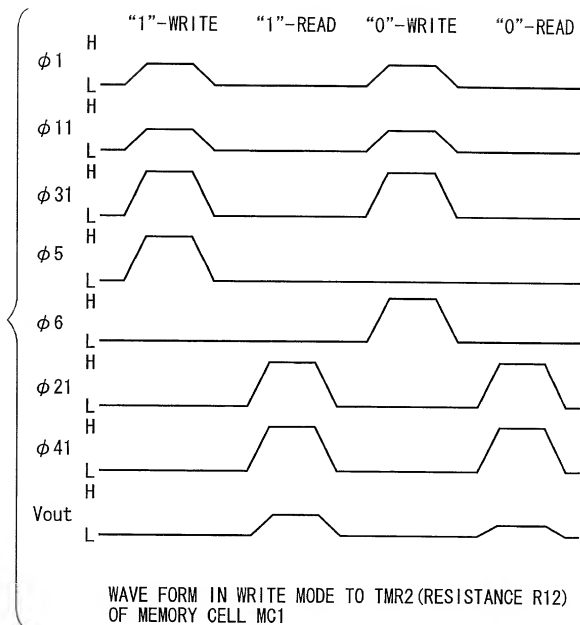
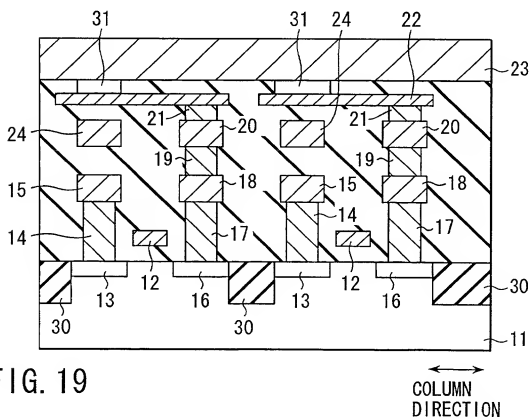
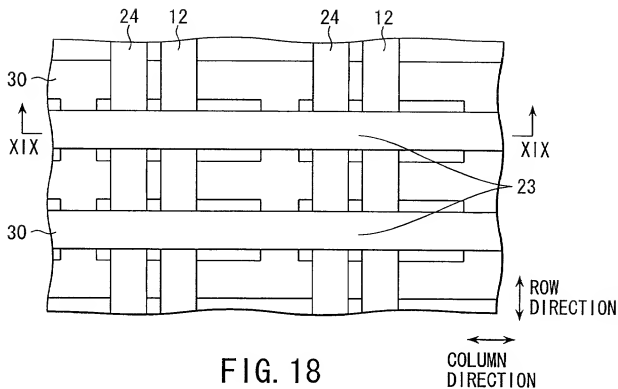
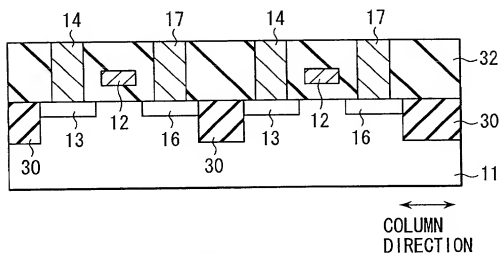
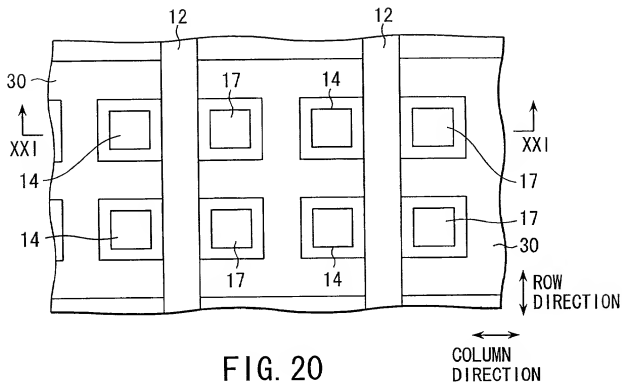


FIG. 17

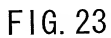
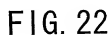




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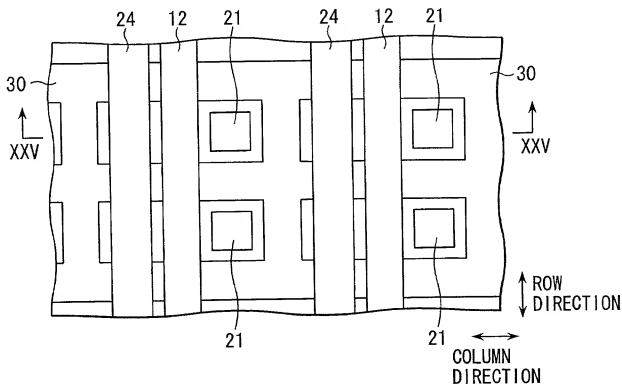


FIG. 24

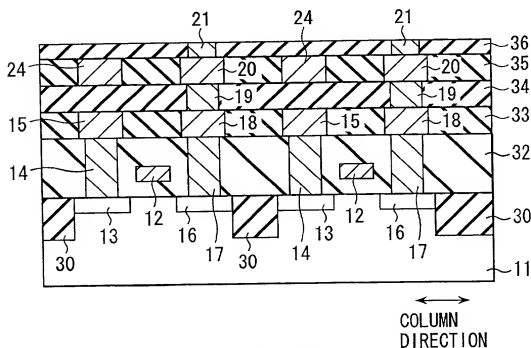


FIG. 25

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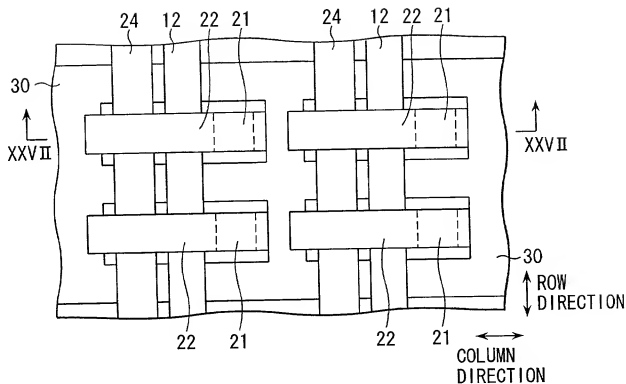


FIG. 26

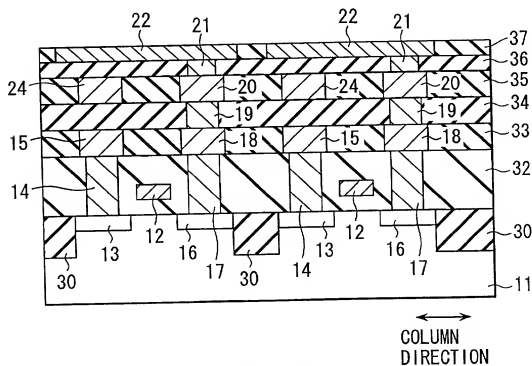


FIG. 27

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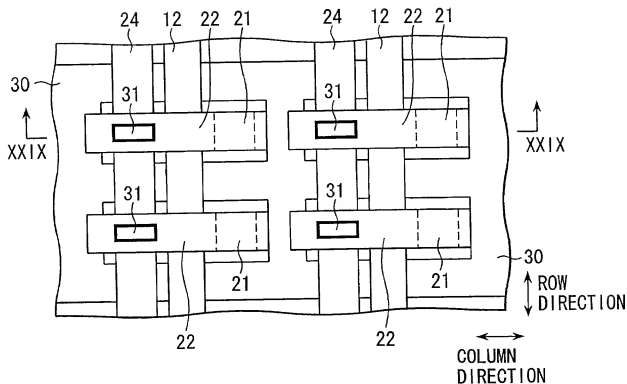


FIG. 28

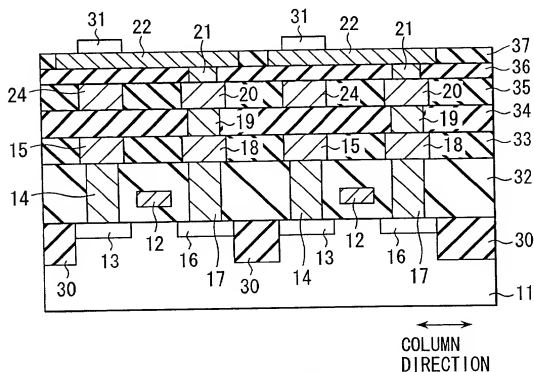


FIG. 29

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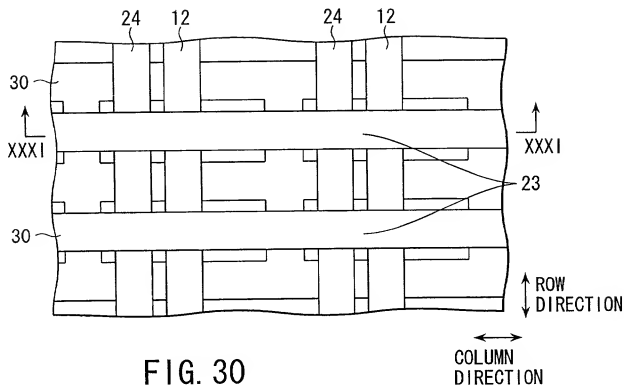


FIG. 30

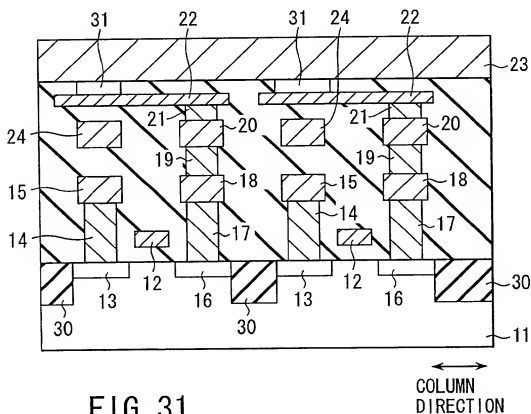
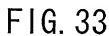
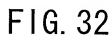
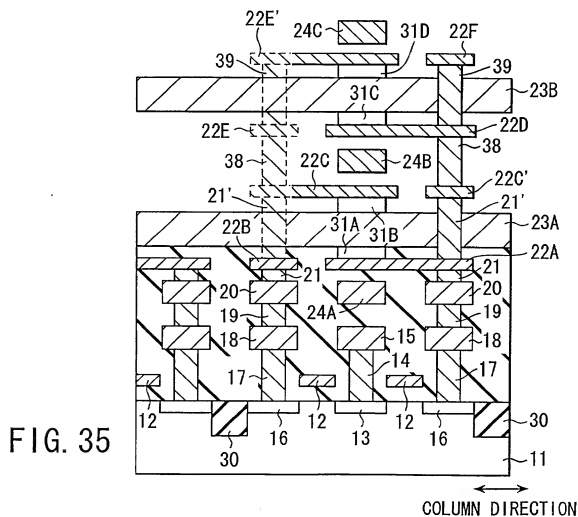
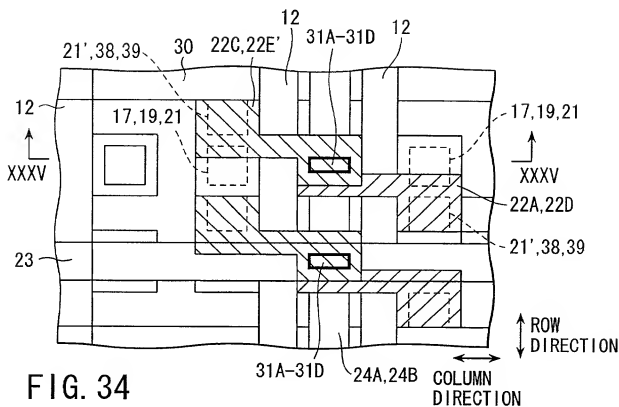


FIG. 31

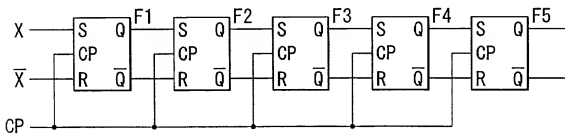
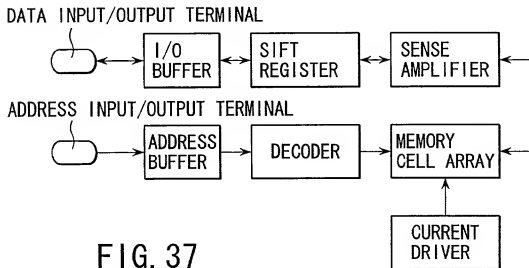
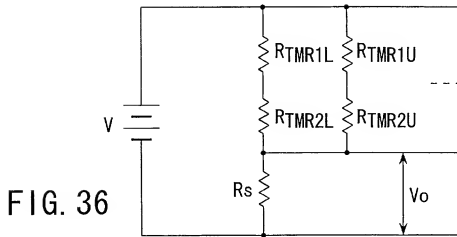
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